



PCT 1648  
IAP4 Rec'd PCT/PTO 18 NOV 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

in re the Application of Zhu, et al.  
Application No. 10/536,955  
Attorney Docket No. 0149-P03068US01  
Filed: May 31, 2005  
For: REPLICATION OF HEPATITIS C VIRUS IN NON-  
HEPATIC EPITHELIAL AND MOUSE HEPATIC  
CELLS  
Examiner: Not yet assigned  
Group Art Unit: 1648

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)**

I hereby certify that this Correspondence is being deposited on the date identified below with the United States Postal Service as first-class mail in an envelope properly addressed to Mail Stop AMENDMENT, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450.

November 16, 2005  
Date of Certificate

Janice Nightlinger  
Janice Nightlinger

Mail Stop: AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.97**

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants are submitting herewith a Form PTO-1449 and a copy of the references listed thereon. This Information Disclosure Statement is being filed more than three months after the filing date, but before receipt of the first Official Action on the merits. Thus, it is believed by the undersigned attorney that no fee is required under 37 C.F.R. §1.97(b).

This submission is not an admission that the references listed on the attached

Form PTO-1449 constitute prior art against the claims of this application.

The Examiner respectfully requested to confirm receipt and consideration of the cited references by initialing and returning a copy of the attached Form PTO-1449 in accordance with MPEP §609.

In the event that a fee is required, the Commissioner is authorized to charge Deposit Account No. 04-1406 of the undersigned attorneys. A duplicate copy of this sheet is enclosed.

Early and favorable consideration of this application is respectfully requested.

Respectfully submitted,

DANN, DORFMAN, HERRELL & SKILLMAN  
A Professional Corporation  
Attorneys for Applicant

By



Kathleen D. Rigaut, Ph.D., J.D.  
PTO Registration No. 43,047

Telephone: (215) 563-4100

Facsimile: (215) 563-4044

Enclosures - Form PTO-1449

Copies of references listed on PTO - 1449



# INFORMATION DISCLOSURE STATEMENT

SHEET 1 OF 1

*Complete if known*

Application Number: 10/555555

Filing Date: May 31, 2005

First Named Inventor: Zhu, et al.

Group Art Unit: Not yet assigned

Examiner Name: Not yet assigned

Attorney Docket Number: 0149-P03068US01

## UNITED STATES PATENT DOCUMENTS

| EXAMINER'S<br>INITIALS | CITE<br>NO. | PATENT NUMBER | ISSUE DATE<br>MM-DD-YYYY | FIRST NAMED INVENTOR |
|------------------------|-------------|---------------|--------------------------|----------------------|
|                        |             |               |                          |                      |

## FOREIGN PATENT DOCUMENTS

| EXAMINER'S<br>INITIALS | CITE<br>NO. | DOCUMENT<br>NUMBER | COUNTRY OR<br>REGION | DATE OF<br>PUBLICATION<br>MM-DD-YYYY | FIRST NAMED INVENTOR OR<br>APPLICANT |
|------------------------|-------------|--------------------|----------------------|--------------------------------------|--------------------------------------|
|                        |             |                    |                      |                                      |                                      |

## OTHER PRIOR ART - NON-PATENT DOCUMENTS

| EXAMINER'S<br>INITIALS | CITE<br>NO. | Include name of the author (in Capital Letters), title of the article (when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
|------------------------|-------------|---|
|                        | C1          | LOHMANN, V., et al., "Replication of Subgenomic Hepatitis C Virus RNAs in a Hepatoma Cell Line," Science, vol 285:110-113, (1999).  |
|                        | C2          | BLIGHT, K.J., et al., "Efficient Initiation of HCV RNA Replication in Cell Culture," Science, vol. 290:1972-1974, (2000).   |
|                        | C3          | BLIGHT, K.J., et al., "Highly Permissive Cell Lines for Subgenomic and Genomic Hepatitis C Virus RNA Replication," Journal of Virology, vol. 76:13001-13014, (2002).  |
|                        | C4          | ZHU, Q., et al., "Unexpected Host Range of Hepatitis C Virus Replicons," Hepatology, vol. 39:835-838 (2004).  |
|                        | C5          | DERES, K., et al., "Interfering with Capsid Formation: A Practicable Antiviral Strategy Against Hepatitis B Virus?" Hepatology, vol. 39:838-840, (2004).  |

| EXAMINER'S<br>SIGNATURE | DATE<br>CONSIDERED |
|-------------------------|--------------------|
|                         |                    |

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw a line through citation if citation not in conformance and reference not considered. Include a copy of this form with next communication to applicant.